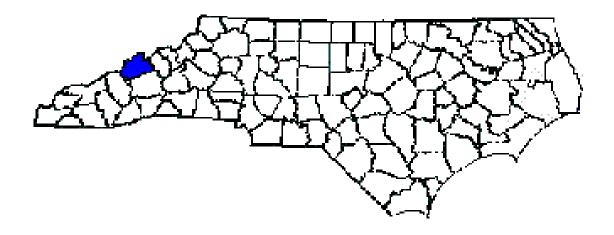
ANNUAL REPORT FOR 2015



Preservation Sites E, G, H, K, L, O, P, Q, and R Madison County TIP No. R-2518A

COE Action ID: SAW-2007-2197-357/300

DWR #: 20071134



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SUMMARY

The following report summarizes the stream monitoring activities that have occurred during the Year 2015 at the Preservation Sites E, G, H, K, L, O, P, Q, and R in Madison County. This report provides the monitoring results for the fourth formal year of monitoring (Year 2015). The Year 2015 monitoring period was the fourth of five scheduled years of monitoring on the Preservation Sites (See Success Criteria Section 2.1).

Based on the overall conclusions of monitoring at the Preservation Sites, these sites have met the required monitoring protocols for the fourth formal year of monitoring. NCDOT will continue the visual inspection of the Preservation Sites for 2016.

1.0 INTRODUCTION

1.1 Project Description

The following report summarizes the stream monitoring activities that have occurred during the Year 2015 at the Preservation Sites E, G, H, K, L, O, P Q, and R, hereafter known as the "Preservation Sites." The Preservation Sites provide mitigation for stream impacts associated with Transportation Improvement Program (TIP) number R-2518A in Madison County.

The Preservation Sites E, G, H, K, L, O, P, Q, and R provided approximately 13,481 linear feet of stream preservation. The Preservation Sites for A and N provided approximately 627 linear feet of preservation. Preservation photos for mitigation sites A and N will be included in their individual monitoring reports. Stream preservation involved acquiring and fencing the sites within NCDOT right-of-way.

1.2 Purpose

In order for the mitigation sites to be considered successful, the sites must meet the success criteria. This report details the monitoring in 2015 at the Preservation Sites. Hydrologic monitoring was not required for these sites.

1.3 Project History

August 2012	Visual Monitoring (Year 1)
August 2013	Visual Monitoring (Year 2)
July 2014	Visual Monitoring (Year 3)
July 2015	Visual Monitoring (Year 4)

1.4 Debit Ledger

The entire stream mitigation sites were used for the R-2518A project to compensate for unavoidable stream impacts.



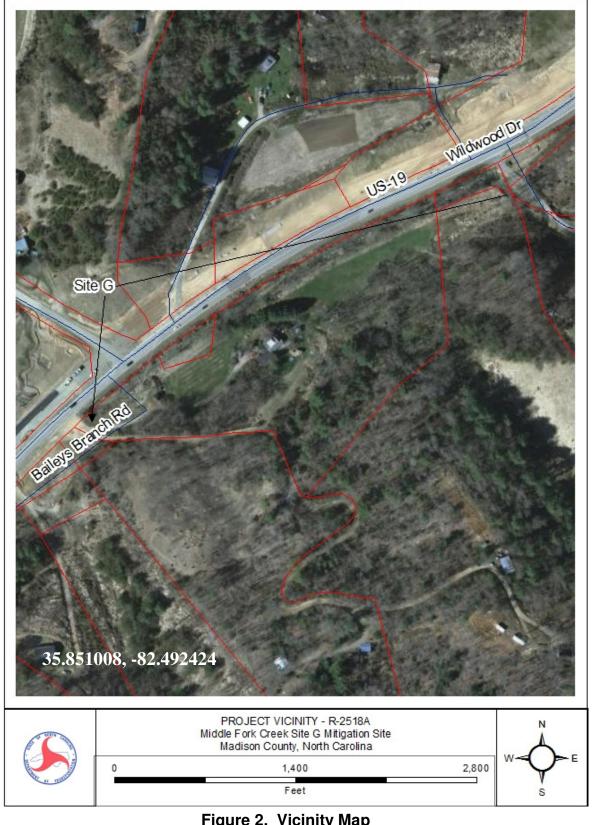
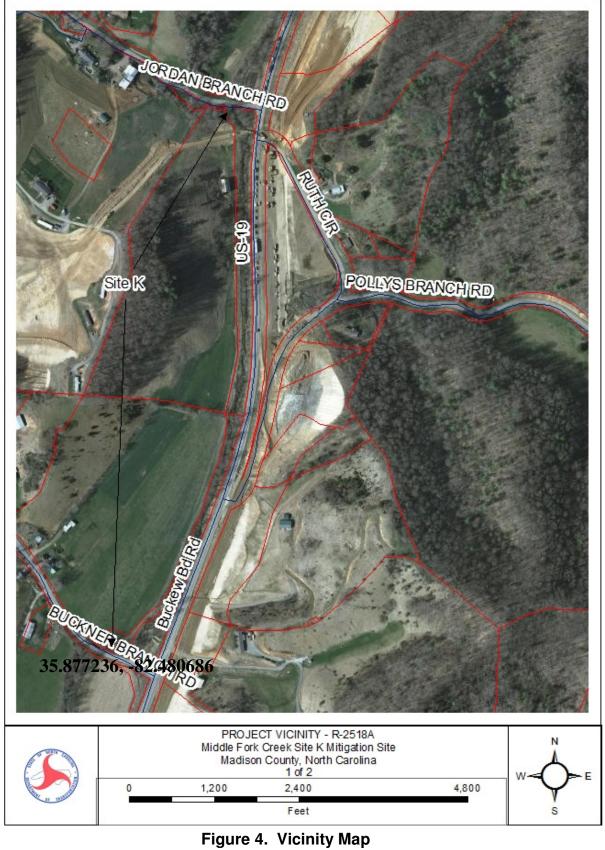


Figure 2. Vicinity Map













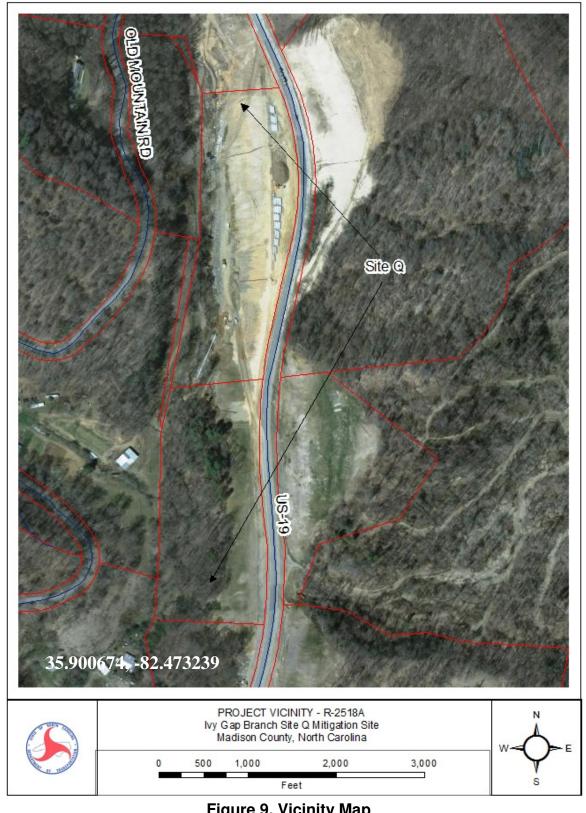


Figure 9. Vicinity Map



2.0 STREAM ASSESSMENT

2.1 Success Criteria

Per NCDWQ condition #4, the permittee shall monitor the preservation sites by visual inspection. Photos will be taken and comments noted on plant survival. The monitoring shall be conducted annually for a minimum of five (5) years. The monitoring results shall be submitted to DWQ in a final report within sixty (60) days after completing monitoring. After 5 years the NCDOT shall contact the DWQ to schedule a site visit to "close out" the mitigation site.

2.2 Stream Description

2.2.1 Post-Construction Conditions

The preservation of sites E, G, H, K, L, O, P, Q, and R will involve acquiring and fencing the sites within NCDOT right of way.

2.2.2 Monitoring Conditions

The objective of Preservation Sites E, G, H, K, L, O, P, Q, and R is to preserve the stream and riparian areas.

2.3 Results of the Stream Assessment

2.3.1 Site Data

The assessment included visual inspection of the Preservation Sites. The Preservation Sites were photographed from permanent photo point locations. The sites are being preserved within NCDOT's right-of-way.

3.0 OVERALL CONCLUSIONS/RECOMMENDATIONS

The Preservation Sites have met the required monitoring protocols for the fourth formal year of monitoring. NCDOT will continue monitoring the Preservation Sites in 2016.

4.0 REFERENCES

- Stream Mitigation Plan, US Highway 19, R-2518A On-Site Mitigation Madison County, North Carolina, August 2006.
- Design Plans for R-2518A, US 19 from I-26 to 0.8 KM east of the Yancey Co. Line, Stream Mitigation (Preservation, Enhancement, and Restoration), HSMM.
- North Carolina Department of Transportation (NCDOT), April 29, 2008. 404 and 401 Individual Permits for R-2518A and R-2518B (ACOE Permit No. 2007-2197-357/300 and DWQ Project No. 20071134, Individual Certification No. 3706).

APPENDIX A SITE PHOTOGRAPHS



Photo 1 (Site E)



Photo 2 (Site G)



Photo 3 (Site G)



Photo 4 (Site H)



Photo 5 (Site H)



Photo 6 (Site K)

July 2015



Photo 7 (Site K)



Photo 9 (Site K)



Photo 11 (Site K)



Photo 8 (Site K)



Photo 10 (Site K)



Photo 12 (Site K)



Photo 13 (Site L)





Photo 15 (Site O)



Photo 16 (Site O)



Photo 17 (Site O)



Photo 18 (Site P)

July 2015



Photo 19 (Site Q)





Photo 21 (Site Q)



Photo 22 (Site R)



Photo 23 (Site R)



Photo 24 (Site R)

July 2015

APPENDIX B PHOTO POINT LOCATIONS

